

WHAT IS CLAIMED IS:

1; Removable roof for a motor vehicle, particularly a passenger car of the sports car type, between a windshield frame and a rollover bar system, which roof is made of a plastic material and comprises an exterior wall as well as an interior wall,

wherein the exterior wall and the interior wall of the roof are made of a high-strength plastic material and form a rigid member connection, the exterior wall and the interior wall essentially meeting only at edge zones of the roof.

2. Removable roof according to Claim 1, wherein the exterior wall and the interior wall are relatively thin-walled and consist of a carbon-fiber-reinforced plastic material.

3. Removable roof according to Claim 2, wherein the exterior wall and the interior wall are produced separately from one another and are connected with one another at the edge zones by gluing.

4. Removable roof according to Claim 1, wherein the exterior wall and the interior wall extend at a relatively narrow distance with respect to one another along a significant area.

5. Removable roof according to claim 1, wherein in a longitudinal sectional view of the roof, at least the interior wall adjacent to a forward edge zone and adjacent to a rearward edge zone is provided with a first profiling and a second profiling respectively.

6. Removable roof according to Claim 5, wherein adjacent to the second profiling, a third profiling is provided, a shaping-in for receiving a manual lever of a roof locking device being provided between the second profiling and the third profiling.

7. Removable roof according to Claim 6, wherein the second profiling is constructed for holding a roof locking device.

8. Removable roof according to claim 5, wherein at least the second profiling and the third profiling have an approximately U-shaped cross-section.

9. Removable roof according to claim 6, wherein in a cross-sectional view of the roof, fourth profilings are provided on lateral edge zones adjoining door window glass panes of doors of a vehicle body.

10. Removable roof according to Claim 9, wherein each fourth profiling has a U-shaped cross-section, which is open toward one of the door window glass panes and is constructed for receiving a sealing body for the door window glass pane.

11. Removable roof according to claim 10, wherein the U-shaped cross-section of the fourth profiling reaches around an end area of the door window glass pane.

12. Removable roof according to claim 10, comprising two roof elements formed with respective exterior and interior walls, said roof elements being fitted together in use in a longitudinal center plane of the passenger car,

wherein the roof elements have a fifth profiling and a sixth profiling at respective edge zones facing the longitudinal center plane.

13. Removable roof according to Claim 12, wherein the sixth profiling has a U-shaped cross-section which is rotated by 90° with respect to the longitudinal centerplane and is open toward the fifth profiling, an interior leg thereof carrying a second sealing body.

14. Removable roof according to Claim 13, wherein the second sealing body comprises a first sealing lip, a hose body and a second sealing lip, which sealing lips bound the hose body on longitudinal sides thereof.

15. Removable roof according to claim 14, wherein the first sealing lip and the hose body sealingly cooperate with an exterior leg of the U-shaped cross-section of the sixth profiling.

16. Removable roof according to claim 15, wherein the fifth profiling comprises at least one angular cross-section which, by means of a flange, projects beyond the sixth profiling and sealingly cooperates with the hose body, the third sealing lip sealingly resting against an upright web of the angular cross-section of the fifth profiling.

17. Removable roof according to claim 1, wherein a covering wall made of a sound-insulating material is provided on an interior side of the interior wall.

18. Removable roof according to claim 17, wherein the covering wall is constructed flush with wall sections of profilings at lateral edges of the interior wall.

19. Removable roof according to claim 12, wherein a covering wall made of a sound-insulating material is provided on an interior side of the interior wall.

20. Removable roof according to claim 19, wherein the covering wall is constructed flush with wall sections of the fourth and fifth profilings.

21. A removable roof element for a passenger car, comprising:  
a plastic exterior wall having edge zones around its periphery,  
a plastic interior wall having edge zones around its periphery,  
said exterior wall and interior wall being spaced from one another except at the edge zones, and  
connecting means for connecting the exterior wall and interior wall together only at said edge zones.

22. A removable roof element according to claim 21, wherein the exterior wall and the interior wall are relatively thin-walled and consist of a carbon-fiber-reinforced plastic material.

23. A removable roof element according to claim 21, wherein said connecting means includes glue.

24. A method of making a removable roof element for a passenger car, comprising:  
forming a plastic exterior wall with edge zones around its periphery,  
forming a plastic interior wall with edge zones around its periphery,  
placing the exterior wall and interior wall with their respective edge zones facing one another and with remaining portions of the exterior wall and

interior wall spaced from one another, and  
connecting the exterior and interior walls only at said edge zones.

25. A method according to claim 24, wherein the exterior wall and the interior wall are relatively thin-walled and consist of a carbon-fiber-reinforced plastic material.

26. A method according to claim 1, wherein said connecting includes gluing said edge zones together.

27. A method according to claim 25, wherein said connecting includes gluing said edge zones together.